



RESOURCE AND PATIENT MANAGEMENT SYSTEM

ICD-10

Installation Guide

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Table of Contents

1.0	Introduction.....	1
2.0	Minimum System Requirements:.....	2
2.1	Windows – RPMS server.....	2
2.2	AIX – RPMS server.....	2
2.3	Windows – Application server.....	2
2.4	Client Workstations.....	2
3.0	Preparation.....	4
3.1	Before Installing ICD-10 Patches.....	4
3.2	Microsoft .NET 4.0 Installs.....	4
3.2.1	Microsoft .NET Framework 4 Client Profile.....	5
3.2.2	Microsoft .NET (4.5.1)	5
3.2.3	Silverlight.....	5
3.2.4	Microsoft Visual C++ 2008 and 2010 (x86) Redistributable.....	5
3.2.5	Microsoft Internet Information Services 7.0 for Windows)	5
4.0	BEDD Configuration.....	6
5.0	Increase Database Maximum Size	7
6.0	ICD-10 Application Installation.....	8
7.0	Post-Installation.....	9
Appendix A:	Prerequisites for ICD-10 Patches	10
Appendix B:	MU2 National Released Applications.....	15
Appendix C:	ICD10 Application Order of Installation	16
C.1	Part I.....	16
C.2	Part II.....	18
Appendix D:	Ports for CSP Applications and Web Links.....	21
Appendix E:	RPMS Application Mappings	22
E.1	Namespace DEHR	22
E.2	Namespace AGMPIDEHR	23
E.3	Namespace CCDADEHR	23
E.4	Namespace ERXDEHR	23
E.5	Namespace EDRDEHR	24
E.6	Namespace C32DEHR	24
Appendix F:	Create BEDD CSP Application	25
Acronym List		29
Contact Information		30

1.0 Introduction

ICD-10 is the 10th revision of the International Statistical Classification of Diseases and Related Health Problems (ICD), a medical classification list by the World Health Organization. It contains codes for diseases, signs and symptoms, abnormal findings, complaints, social circumstances, and external causes of injury or diseases.

This document outlines the steps for preparing and configuring updates for the ICD-10 applications. Prior to the actual installation of the ICD-10 changes, the system should be verified for both of the following:

- Application Patch Requirements - Appendix A: Prerequisites for ICD-10 Patches
- MU2 – Appendix B: MU2 National Released Applications

The ICD-10 application installation sequence located at Appendix C: (Part I and Part II) is provided as a patch install guideline. There are two parts to the ICD-10 installation listing. LEX Global installation is expected to take more than an hour to install; while LEX Global is installing, Part II applications can be installed.

Additional system information concerning Ports for CSP Applications can be found at:

- Appendix D: Ports for CSP Applications and Web Links
- Appendix E: RPMS Application Mappings
- Appendix F: Create BEDD CSP Application

2.0 Minimum System Requirements:

2.1 Windows – RPMS server

- Windows 2008 R2
- Minimum 40 GB RAM
- 2 x 1 TB HDD (over a 5 year period)
- All Microsoft Updates
- Ensemble 2012.2.5.962.0.13037 (Windows 64 bit version)

2.2 AIX – RPMS server

- AIX 7.1
- Minimum 16 GB RAM
- 2 x 1 TB disk space (over a 5 year period)
- Ensemble 2012.2.5.962.0.13037 (AIX 64 bit version)

2.3 Windows – Application server

- Windows 2008 R2
- Minimum 40 GB RAM
- 80+ GB HHD
- All Microsoft Updates
- .Net 4.5.1
- MS Silverlight
- MS Visual C++ 2013 (x86) Redistributable

2.4 Client Workstations

- Windows 7
- Minimum 16 GB RAM
- 60 GB HDD
- All Microsoft Updates
- .Net 4.5.1
- MS Silverlight

- MS Visual C++ 2013 (x86) Redistributable
- Adobe Reader 11.0.04

3.0 Preparation

3.1 Before Installing ICD-10 Patches

1. Back up the database. The backup file should be moved to a different server and if applicable, to tape. Instructions are located at:
http://intranetftp.ihs.gov/pub/RPMS_ROLL_OUT/Technical_Bulletins/How%20to%20Backup%20RPMS%20DB%20Manually.pdf.
2. Test the backup created in Step 3.1 by restoring the database to a different directory. This restored database will be used in the event that database errors are unresolvable. Instructions are located at:
http://intranetftp.ihs.gov/pub/RPMS_ROLL_OUT/Technical_Bulletins/How%20to%20Restore%20RPMS%20DB.pdf.
3. Develop a contingency plan for operations be in place in the event that the upgrade takes longer than planned or a problem occurs.
4. Verify the Application patch requirements are installed before proceeding to install ICD-10 Applications. See Appendix A: for complete requirements listing.
5. Verify BSTS install is completed; SSL/TLS Configuration completed using the IHS Standard Terminology Application Programming Interface (BSTS) installation guide, v1.0, item 5.0 Post-Installation Configuration Instructions. Port and server information provided at Appendix D: .
6. The MU2 patch list in Appendix B: must be installed before proceeding with ICD-10 patch installations. This includes Nationally Released Applications.
7. Identify TIU Title. A selection of a TIU Document Class for the new title Rescinded Advance Directive is required during the TIU v1.0 patch 1013 installation. In advance of the installation, consult with your CAC for title entry as follows:

Select TIU DOCUMENT CLASS name for the new title RESCINDED ADVANCE DIRECTIVE: <entry required to proceed with TIU installation>

8. Back up EHR Repository Files.

3.2 Microsoft .NET 4.0 Installs

Verify the following software is installed on the RPMS Application servers and client workstations.

3.2.1 Microsoft .NET Framework 4 Client Profile

- **Name.** Security Update for Microsoft .NET Framework 4 Client Profile (KB2604121)
- **Program.** Microsoft .NET Framework 4 Client Profile
- **Version.** 1
- **Instructions.** Download .NET Framework 4 from the Microsoft download center at: <http://www.microsoft.com/download/en/details.aspx?id=17851>.

3.2.2 Microsoft .NET (4.5.1)

- **Name.** Microsoft .NET Framework 4.5.1
- **Instructions.** Download .NET Framework 4 from the Microsoft download center at: <http://www.microsoft.com/en-us/download/details.aspx?id=40773>.

3.2.3 Silverlight

- **Name.** Microsoft Silverlight
- **Version.** 5.1.30214
- **Instructions.** Download from the Microsoft download center at: <http://www.microsoft.com/getsilverlight/get-started/install/default.aspx>.

3.2.4 Microsoft Visual C++ 2008 and 2010 (x86) Redistributable

(For MAG program)

- **Name.** Microsoft Visual C++ 2013 (x86) Redistributable
- **Version.** 12.0.30501
- **Instructions.** Download from <http://www.microsoft.com/en-us/download/details.aspx?id=40784>.

3.2.5 Microsoft Internet Information Services 7.0 for Windows)

- **Name.** IIS 7.0
- **Instructions.** Download from <http://www.microsoft.com/en-us/download/details.aspx?id=2299>.

4.0 BEDD Configuration

BEDD v2.0 application is cumulative and it includes an xml file. Sites that currently have BEDD installed, BEDD web application, and CSP Gateway configured can proceed to Section 5.0.

For sites installing BEDD for the first time, proceed to Appendix F: . The BEDD web application and CSP Gateway must be configured before BEDD v2.0 installation.

Note: The BEDD application is optional for sites that do not have emergency rooms.

5.0 Increase Database Maximum Size

Increase the Maximum Size by 5021MB (5GB) by adding the Size and 5021 together. Using the example in Figure 5-1:

$$9683 + 5021 = 14704$$

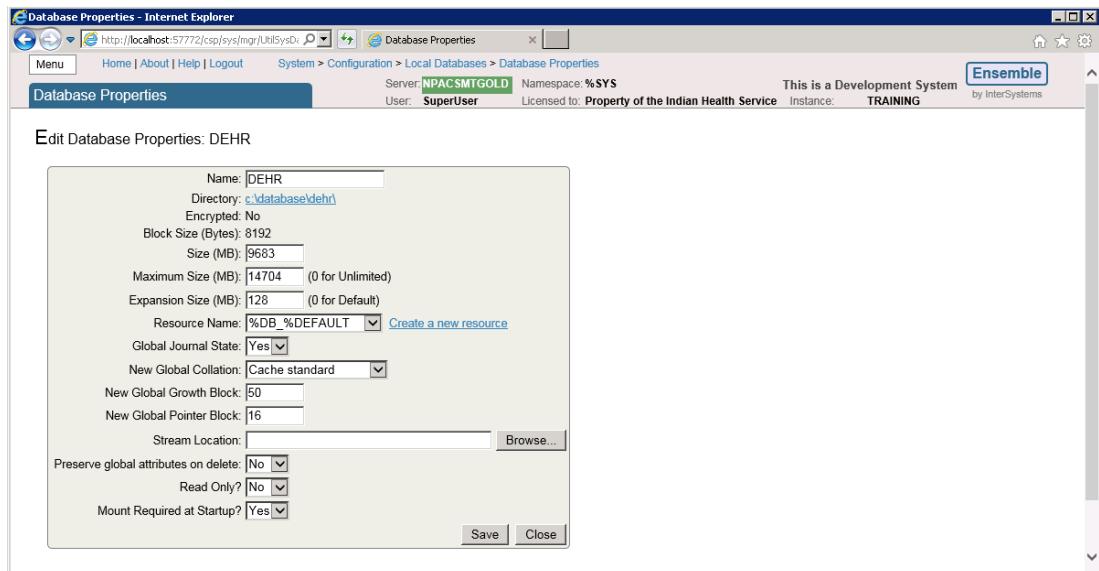


Figure 5-1: Management Portal **Database Properties** page.

6.0 ICD-10 Application Installation

After the previous steps have been completed, begin installation of the applications in the order listed in Appendix C: .

7.0 Post-Installation

1. CAC review EHR keys, install GUI Prenatal Module EHR (bjpn0200.exe), and modify Provider template to add two referral components.
2. Replace the Superbill Object on the EHR template with the new Superbil(new) object.
3. Add and Configure the AMI Tool.
4. Add and Configure the Stroke Tool.
5. Review the Chart Review and Telephone Call Visit Parameters and adjust for appropriate codes.
6. Review the ICD Picklists and consider turning on the **Save as Problem and POV** button on selected pick lists.
7. Add Superbill ICD Associations- update to ICD-10 codes after 10/1/15.

Appendix A: Prerequisites for ICD-10 Patches

The newest version (v) or patch (p) is indicated by a round bullet. Prerequisite versions and patches are indicated by an indented dash.

- LEX v2.0 p1003:
 - VA FileMan (DI) 22 p1017 or higher
 - VA Kernel (XU) 8 p1017
 - AUM v11.0 p6
 - AUT v98.1 p24
 - LEX v2.0 p1002
- AICD v4.0:
 - AICD v3.51
 - AUM v15.0
 - AUM v13.0 p2
 - LEX v2.0 p1003
- ATX v5.1 p11:
 - AICD v4.0
- BJPC v2.0 p11:
 - BJPC v2.0 p10
 - AICD v4.0
 - ATX v5.1 p11
 - LEX v2.0 p1003
- BSTS v1.0 p3:
 - Ensemble 2012.2.5.962.13037
 - IHS/VA Utilities (XB) v3.0 p11
 - IHS Kernel Toolkit (XT) v7.3 p1017
 - BSTS v1.0 p2
- APSP v7.0 p1018:
 - APSP v7.0 p1017
- EHR v1.1 p14:
 - EHR v1.1 p13
 - APSP v7.0 p1018

- TUI v1.0 p1013:
 - TIU v1.0 p1012
 - EHR v1.1 p13
 - BJPC v2.0 p10
 - iCare v2.1
- BHS v1.0 p9:
 - BHS v1.0 p8
 - BJPC v2.0 p10
 - TIU v1.0 p1012
 - ATX v5.1 p11
 - IHS Standard terminology v1.0 p1
- GMRV v5.0 p1003:
 - GMRV v5.0 p1002
 - BJPC v2.0 p10
- GMTS v2.7 p1006:
 - GMTS v2.7 p1005
 - BHS v1.0 p9
- Vista Imaging (MAG):
 - MAG*3.0*121 MAG*3.0*131
 - MAG*3.0*135 MAG*3.0*147
 - MAG*3.0*140
- BMX v4.0 p4:
 - BMX v4.0 p3
 - AICD v4.0
- BJPN 2.0:
 - BMX v4.0 p3
 - IHS/VA Utilities (XB) v3.0 p11
 - APCD v2.0 p10
 - BJPC v2.0 p11
 - EHR v1.1 p14
 - LEX v2.0 p1003
- AMER v3.0 p6:
 - AMER v3.0 p5
 - BJPC v2.0 p11

- LEX v2.0 p1003
- BEDD v2.0:
 - AICD v4.0
- LR v5.2 p1034:
 - LR v5.3 p1033
 - AMER v3.0 p6
 - IHS Standard terminology v1.0 p1
- AMH v4.0 p5:
 - AMH v4.0 p4
- BQI v2.4:
 - AICD v4.0
 - ATX v5.1 p11
 - BMX v4.0 p3
 - IHS/VA Utilities (XB) v3.0 p11
 - PIMS v5.3 p1016
 - BGP v14.0
 - APCD v2.0 p10
 - APCH v2.0 p17
 - AMQQ v2.0 p21
 - BKM v2.1
 - BAT v1.0
 - BJPC v2.0 p11
 - BMC v4.0 p8
 - AG v7.1 p10
 - BI v8,5 p7
 - BQI v2.3 p4
 - BUSA v1.0
- BW v2.0 p13:
 - BW v2.0 p12
 - Care Management Event Tracking v1.1 (BQI)
- RA v5.0 p1006:
 - RA v5.0 p1005
- ADE v6.0 p27:
 - ADE v6.0 p26

- BMC v4.0 p9:
 - BMC v4.0 p8
 - AG v7.1 p11
 - AUPN v99.1 p16
 - ATX v5.1 p5
 - AUT v98.1 p26
 - LEX v2.0 p1003
 - AICD v4.0
 - OR v3.0 p190
 - BSTS v1.0
 - BJPC v2.0 p10
 - EHR (BGO) v1.1 p13
- APCL v3.0 p30:
 - APCL v3.0 p29
- BDW v1.0 p4:
 - BDW v1.0 p3
 - GIS v3.01 p16
 - AICD v4.0
- ABSP v1.0 p47:
 - AUPN v99.1
 - AUT v98.1 p23
 - APSP v7.0 p1008
 - ABSP V1.0
 - AG v7.1 p10 or higher
 - IHS/CPT Lookup & GRPR v3.51 p7 or higher
 - ABM v2.6 p1 or higher
 - BAR v1.8 or higher
- ACHS v3.1 p23:
 - ACHS v3.1 p20
 - AUPN v99.1 p16
 - AUT v98.1 p20
 - ATX v5.1
 - LEX v2.0
 - AICD v4.0
 - BMC v4.0 p2

- BAR v1.8 p25:
 - ABM v2.6 p13
 - BAR v1.8 or p24
- BLGU v1.0 p1:
 - EHR v1.1 p7
 - Microsoft .NET Framework v4.5.1
 - LR v5.2 p1034

Appendix B: MU2 National Released Applications

Namespace	Version	Patch	Application Name
BXT	1	0	IHS Kernel Toolkit Extensions
AVA	93.2	22	IHS VA Support Files
AUPN	99.1	23	IHS Dictionaries (Patient)
AG	7.1	11	Patient Registration with RACE API
BMW	2	5	Practice Management Application Suite
BUSA	1	0	IHS User Security Audit
BSTS	1	0	IHS Standard Terminology
BCQM	1	0	IHS Code Mapping (Clinical Quality Measures)
BJPC	2	10	IHS PCC Suite
PXRM	2	0	Clinical Reminders
PXRM	2	1001	Clinical Reminders
PXRM	2	1002	Clinical Reminders
TIU	1	1011	Text Integration Utilities
APSP	7	1017	IHS Pharmacy Modifications-Alpha
GMRA	4	1007	Adverse Reaction Tracking
GMRC	3	1004	Consult/Request Tracking
GMRV	5	1002	Gen. Med. Rec. - Vitals
EHR	1.1	13	EHR
TIU	1	1012	Text Integration Utilities
RA	5	1005	Radiology/Nuclear Medicine
LR	5.2	1033	Lab Service
BMC	4	8	Referred Care Info System
BJMD	1	4	C32 - Install only if Patch 3 installed
BCCD	1	0	CCDA
APCL	3	29	IHS PCC Reports (ILI Surveillance/Syndromic Surveillance patch)
BQI	2.3	3	iCare Management System
APCM	1	4	IHS MU Performance Reports (2014)
BHS	1	8	Health Summary Components (VA)
AMER	3	5	Emergency Room System-Inpatient Only
BCER	2	0	EHR Site Checker

Appendix C: ICD10 Application Order of Installation

C.1 Part I

- All Nationally Released patches installed**
- BSTS configured – IHS Standard Terminology install guide (bsts010i.pdf)**
- BEDD configured (only if the site has an Emergency Room) – Appendix F:**
- MU2 patches installed – Appendix B:**
- Database backed up**
- EHR repository files backed up**
- Error trap – document existing errors**
- Increase DB size by 5GB – see Section 5.0**
- LEX (1:20:00) v2 p1003 Application Name: Lexicon**
 - a. Save LEX & LEXT global
 - b. K ^LEX,^LEXT
 - c. Restore LEX global
 - D ^%GI
 - Input Option: A
 - This will take time; go to Appendix C.2 Part II.
 - d. Install KIDS
- AICD (22:00) v4 Application Name: ICD Lookup System**
 - a. K ^AICDICD9,^AICDICD0,^AICDICDS,^AICDKWLC
 - b. Restore AICD global
 - D ^%GI
 - Input Option: A
 - c. Install KIDS
- ATX (3:00) v5.1 p11 Application Name: Taxonomy**
 - Install KIDS
- BJPC (2:00) v2 p11 Application Name: IHS PCC Suite**
 - Install KIDS

- BHS (1:00) v1 p9** **Application Name: Health Summary Components**
 - Install KIDS
- BMX (1:00) v4 p4** **Application Name: BMXNet**
 - a. Stop listener
 - b. Save BMX* routine
 - c. Install KIDS
 - d. Start listener
- AMER (4:00) v3 p6** **Application Name: Emergency Room Systems**
 - a. Save AMER* routine and global
 - b. Install KIDS
- BEDD v2 p 0** **Application Name: Emergency Room Dashboard**

Note: Skip BEDD if no Emergency Department

 - a. Configure CSP Appendix F: (in advance)
 - b. Upload BEDD XML (studio)
 - c. Install KIDS
- BQI (3:00) v2.4 p 0** **Application Name: iCare Management System**
 - a. Install KIDS
 - b. Install GUI (client workstations)
- BW (1:00) v2 p13** **Application Name: Women's Health**
 - Install KIDS
- ACHS (1:00) v3.1 p23** **Application Name: Contract Health Services**
 - Install KIDS
- BMC (5:00) v4 p9** **Application Name: Referred Care Info. System**
 - a. Is the facility using PCC?
 - b. Is the facility using EHR?
 - c. Install KIDS

- d. Import new files into lib folder (EHR server)
 - IHSReferredCare.PatientReferral.vor
 - IHSReferredCare.PatientReferral.dll
 - IHSReferredCare.Referral.vor
 - IHSReferredCare.Referral.dll
- BDW (1:00) v1 p4 Application Name: Data Warehouse Export**
 - a. K ^INXPORT
 - b. Import global
 - D ^%GI
 - c. Install KIDS
- BJPN (5:00) v2 p0 Application Name: Prenatal Care Module**
 - a. Reminder: Backup EHR repository files
 - b. STOP - EHR v1.1 patch 14 install first (Part II)
 - c. KIDS Install
 - d. Install BJPN GUI (EHR repository server); example: C:\DEHR\lib

C.2 Part II

- BSTS (2:00) v1 p3 Application Name: IHS Standard Terminology**
 - a. Save BSTS* Global and Routines
 - b. Install KIDS
- APSP (1:00) v7 p1018 Application Name: IHS Pharmacy Modifications**
 - Install KIDS
- EHR exe**
 - Enter path to shared folder; bin and lib; example: C:\EHR\DEHR\
- EHR (5:00) v1.1 p14 Application Name: Electronic Health Record**
 - Install KIDS
- TIU (8:00) v1 p1013 Application Name: Text Integration Utility**
 - a. Document class/title provided by CAC
 - b. Install KIDS

- LR (3:00) v5.2 p1034 Application Name: Laboratory**
 - c. BLRMENU Stop BLR Master Control
 - Stop Processor: Yes
 - d. Install KIDS
 - e. BLRMENU Start BLR Master Control
 - Stop Processor: No
- BLGU (5:00) v1 p1 Application Name: Lab Accession GUI**
 - a. Reminder: Backup EHR repository files
 - b. Self-Extracting Archive
 - Enter path to shared folder; bin, and lib; example: C:\EHR\DEHR\
 - c. Install KIDS

Note: During the install, you may see a prompt stating that it is reverting back to an older version, it is actually looking at an EHR component and not the BLGU stand alone. Ignore the warning and proceed with the installation.

- AMH (1:00) v4 p5 Application Name: Behavioral Health System**
 - a. Save AMH* Routines
 - b. Install KIDS
- GMRV (1:00) v5 p1003 Application Name: Gen. Med. Rec. - Vitals**
 - Install KIDS
- GMTS (1:00) v2.7 p1006 Application Name: VA Health Summary**
 - Install KIDS
- RA (1:00) v5 p1006 Application Name: Radiology**
 - Install KIDS
- ADE (1:00) v6 p27 Application Name: Dental Data System**
 - Install KIDS
- APCL (1:00) v3 p30 Application Name: PCC Management Reports**
 - Install KIDS
- ABSP (28:00:00) v1 p47 Application Name: Pharmacy Point of Sale**
 - a. Save ABSP* Global and Routine
 - b. Install KIDS

- BAR (2:00) v1.8 p25 Application Name: Accounts Receivable**
- Install KIDS

Appendix D: Ports for CSP Applications and Web Links

Application	Port	Sample link (using SSL)
BMW	80-83	http://<servername>
BMW	443	https://<servername>
BEDD	84	http://<Servername>/csp/bedd/BEDDLogin.csp
BEDD	444	https://<Servername>/csp/bedd/BEDDLogin.csp
BUSA	84	http://<Servername>/csp/busa/BUSA.MainReportPage.cls
BUSA	444	https://<Servername>/csp/busa/BUSA.MainReportPage.cls
CCDA	57772	http://<servername>:57772/csp/CCDACAH/BCCD.Prod.Services.ClinicalDocumentService.cls
SNOMED	443	dtsservices.ihs.gov (be sure to use lowercase)

Appendix E: RPMS Application Mappings

E.1 Namespace DEHR

Global Name	Global Database Location
BCCD.Audit.*	CCDADEHR
BCCD.Xfer.*	CCDADEHR
BJMD.Xfer.*	C32DEHR
BMW	BMW
BUSAD	BUSADEHR
BUSAS	BUSADEHR
%Z	DEHR
%z*	DEHR
%ZI*	DEHR
%ZO*	DEHR
%ZU*	DEHR
%ZRTL	DEHR
%ZTER	DEHR
%ZTSCH	DEHR
%ZTSK	DEHR
UTILITY	CACHETEMP
TEMP	CACHETEMP
TMP	CACHETEMP
BQIPAT	DEHRNJ
BMXTEMP	DEHRNJ
BMXTMP	DEHRNJ
BNIRTMP	DEHRNJ
BPCTMP	DEHRNJ
XTMP	DEHRNJ

Routine Name	Routine Database Location
%DT*	DEHR
%HOSTCMD	DEHR
%INET*	DEHR
%RCR	DEHR
%Serenj*	DEHR
%XB*	DEHR
%XU*	DEHR

Routine Name	Routine Database Location
%ZI*	DEHR
%ZO*	DEHR
%ZT*	DEHR
%ZU*	DEHR
%ZV*	DEHR
%ZTF*	DEHR
%ZTOS	DEHR
%IND*	DEHR

Package Name	Package Database Location
BCCD	CCDADEHR
BJMD	C32DEHR
BMW	BMW

E.2 Namespace AGMPIDEHR

Global Name	Global Database Location
%Z*	DEHR
%z*	DEHR
HL*	DEHR

Routine Name	Routine Database Location
%ZO*	DEHR
HL*	DEHR

E.3 Namespace CCDADEHR

Global Name	Global Database Location
BCCDS	DEHR
VA	CCDADEHR
VA (200)	DEHR

Package Name	Package Database Location
BMW	BMW

E.4 Namespace ERXDEHR

Global Name	Global Database Location
%Z*	DEHR

Global Name	Global Database Location
%Z*	Dehr
HL*	DEHR

Routine Name	Routine Database Location
%ZO*	DEHR
HL*	DEHR

E.5 Namespace EDRDEHR

Global Name	Global Database Location
%Z*	DEHR
%z*	DEHR
HL*	DEHR

Routine Name	Routine Database Location
%ZO*	DEHR
HL*	DEHR

E.6 Namespace C32DEHR

Global Name	Global Database Location
BJMDS	DEHR

Package Name	Package Database Location
BFMC	DEHR

Appendix F: Create BEDD CSP Application

1. Open the **Ensemble Management Portal** page.
2. Make entries in the following fields:
 - **Application Path:** /csp/bedd
 - **Default Server:** Select the RPMS server's name from the list.
3. Click **Save**.
4. Select **Security > Applications > Web Applications** under **System Administration** in the left column. The **Web Applications** page (Figure F-1) is displayed.

Name	Enabled	Type	Resource	Authentication Methods		
/csp/agmpidehr	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/agmpiprecert	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/bebd	Yes	CSP		Unauthenticated	Edit	Delete
/csp/bmw	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/bmwdehr	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/busy	Yes	CSP		Unauthenticated	Edit	Delete
/csp/c32dehr	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/c32precert	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/ccdaprecert	Yes	CSP	%Ens_Portal	Unauthenticated	Edit	Delete
/csp/cqm	Yes	CSP	%Ens_Portal	Password	Edit	Delete
/csp/dehr	Yes	CSP	%Ens_Portal	Password	Edit	Delete

Figure F-1: **Web Applications** page

5. Select **Create New Web Application** to display the **Edit Web Application** page (Figure F-2).

The screenshot shows the 'Edit Web Application' page from a web application management interface. The URL in the address bar is `http://localhost:57772/csp/sys/sec/UtilSysApplication.cs`. The page title is 'Edit Web Application'. At the top, there are links for 'Home | About | Help | Logout' and a navigation path 'System > Security Management > Web Applications > Edit Web Application'. Below the title, there are fields for 'Server: Server name' (set to 'Server name'), 'Namespace: Name space' (set to 'Name space'), 'User: User name' (set to 'User name'), and 'Licensed to: Property of the Indian Heal'. A message below the title says 'Use the following form to create a new Web application:'. There are three tabs at the top of the form: '[General]' (selected), 'Application Roles', and 'Matching Roles'. The '[General]' tab contains the following fields:

- Web Application Name***: A text input field with '(e.g. /csp/appname)' placeholder.
- Copy from**: A dropdown menu showing 'an existing name here'.
- Description**: A text input field.
- Enabled**: A checked checkbox.
- Resource required to run the application**: A dropdown menu.
- Allowed Authentication Methods**: A list of checkboxes:
 - Unauthenticated
 - Password
 - Kerberos
 - Login Cookie
- Group By Id**: A text input field.
- Two Factor Enabled**: An unchecked checkbox.
- CSP/ZEN Enabled**: A checked checkbox.
- Inbound Web Services Enabled**: A checked checkbox.
- Permitted Classes**: A text input field.
- Namespace**: A dropdown menu set to 'USER'.
- Namespace Default Application**: An unchecked checkbox.
- CSP Files Physical Path**: A text input field with a 'Browse...' button.
- Recurse**: A dropdown menu set to 'Yes'.
- Auto Compile**: A dropdown menu set to 'Yes'.
- Event Class**: A text input field.
- Session Timeout**: A text input field set to '900'.
- Default Superclass**: A text input field.
- Use Cookie for Session**: A dropdown menu set to 'Autodetect'.
- Session Cookie Path**: A text input field set to '/'.
- Serve Files**: A dropdown menu set to 'Always'.
- Serve Files Timeout**: A text input field set to '3600'.
- Lock CSP Name**: A dropdown menu set to 'Yes'.
- Custom Error Page**: A text input field.
- Package Name**: A text input field.
- Login Page**: A text input field.
- Change Password Page**: A text input field.

At the bottom left, there is a note: '* Indicates a required field.' On the right side, there are 'Save' and 'Close' buttons.

Figure F-2: **Edit Web Application** page

6. Fill in the following values:
 - a. At **Web Application Name** type **/csp/bedd**.
 - b. At **Description** type **ED Dashboard**.
 - c. At **Allowed Authenticated Methods** select **Unauthenticated**.
 - d. At **Namespace**, select the site's RPMS namespace from the list.

- e. At **CSP Files Physical Path**, locate the directory as <cacheinstance>/csp/<RPMSinstance> (alternatively, click **Browse** to navigate to the directory).
 - f. At **Login Page**, type **BEDDLogin.csp** (this is case-sensitive).
7. Click **Save**.
8. Configure the CSP Web Gateway:
- a. While connected to the server on which the CSP Web Gateway was installed, open the web browser and type the following link:
http://localhost:84/csp/bin/Systems/Module.cwx. The **Web Gateway Management** page (Figure F-3) is displayed.

The screenshot shows a web browser window titled "About CSP Gateway - Internet Explorer". The URL in the address bar is "http://localhost:84/csp/bin/Systems/Module.cwx". The main content area is titled "Caché Server Pages" and "Web Gateway Management". On the left, there is a sidebar with links: Management (System Status, Close Connections, Test Server Connection, View Event Log, View HTTP Trace), Configuration (Default Parameters, Server Access, Application Access, About CSP Gateway). The right pane displays "About CSP Gateway" information: Version 2012.2.5.962.0.13037, Gateway Build 1202.1315b, Web Server Name localhost, Web Server Type Microsoft Web Server: Microsoft-IIS/7.5 Cache_Server_Pages-Native_Module/2, Active Interface IIS Native Module. At the bottom right, there is a copyright notice "Copyright © 1997 - 2014 InterSystems Corporation" and a logo "CREATED WITH CACHÉ SERVER PAGES".

Figure F-3: CSP Web Gateway Management page, About CSP Gateway pane

- b. Select **Application Access** from the **Configuration** group in the left pane. The **Application Access** pane (Figure F-4) is displayed.

The screenshot shows a web browser window titled "Application Access" of the CSP Web Gateway Management page. The URL is "http://localhost:84/csp/bin/Systems/Module.cwx?CSPSYN=1". The main content area is titled "Caché Server Pages" and "Web Gateway Management". The left sidebar has the same links as Figure F-3, but "Application Access" is highlighted with a red box. The right pane is titled "Application Access" and contains the message "Click on an existing application and then edit/copy or delete its configuration:". Below this is a list of applications: /, /csp, /csp/bedd, /ensemblecsp. To the right of the list are three radio buttons: "Edit Application" (selected), "Copy Application", and "Delete Application", followed by a "Submit" button. Further down, it says "Or create a new application configuration:" with a "Add Application" button, which is also highlighted with a red box. At the bottom right, there is a copyright notice "Copyright © 1997 - 2014 InterSystems Corporation" and a logo "CREATED WITH CACHÉ SERVER PAGES".

Figure F-4: CSP Web Gateway Management page, Application Access pane

- c. Click **Add Application**. The **Application Access** pane redisplays (Figure F-5), ready to receive information on the application to be added.

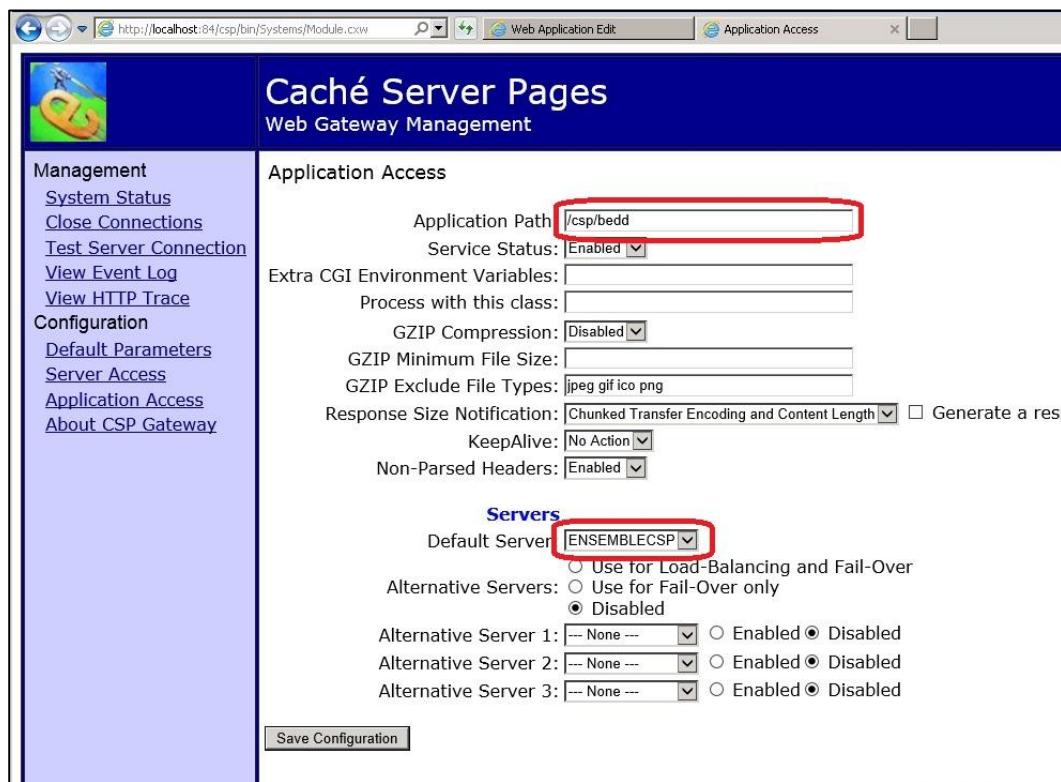


Figure F-5: CSP Web Gateway Management page, Application Access pane

Acronym List

Acronym	Meaning
ICD	International Classification of Diseases

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (888) 830-7280 (toll free)

Web: <http://www.ihs.gov/helpdesk/>

Email: support@ihs.gov